Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/02/2017 11:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123720	-2	1.84	123534	1.77
Blue	F	SSC	125000	123400	-2	3.35	123604	3.13
Blue	E	FITC	23355	22762	-3	2.52	1017	10.17
Blue	D	PE	28848	28459	-2	1.99	1022	9.73
Blue	B	PerCP-Cy5-5	47791	46875	-2	3.49	1344	16.39
Blue	A	PE-Cy7	41358	41244	-1	5.07	634	34.14
Red	C	APC	51316	50577	-2	2.90	2899	9.53
Red	A	APC-Cy7	53225	52280	-2	2.92	1087	11.22
Violet	B	V450	14473	13795	-5	5.89	659	10.18
Violet	A	V500	59973	58107	-4	5.80	2580	7.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18432	6.32	605	7	N/A	N/A	Pass
Blue	F	SSC	61475	1.45	537	3	N/A	N/A	Pass
Blue	E	FITC	111	40.12	541	-3	0.0214	220	Pass
Blue	D	PE	222	29.83	537	-1	0.1700	289	Pass
Blue	B	PerCP-Cy5-5	210	44.48	627	-3	0.0110	139	Pass
Blue	A	PE-Cy7	71	112.57	679	-2	0.0130	14	Pass
Red	C	APC	341	27.27	593	-1	0.0202	40	Pass
Red	A	APC-Cy7	118	39.92	572	-4	0.0055	1475	Pass
Violet	B	V450	81	43.70	469	-2	0.0445	2046	Pass
Violet	A	V500	186	25.16	501	0	0.0145	919	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.73	-31.07	0.85
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.51	13.27 - 19.91	N/A	N/A	31.06	31.69	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10178

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments